

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/901,612DATE: 10/10/97
TIME: 18:22:30

INPUT SET: S20953.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

ENTERED

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: Frank, Bruce L.
Roberts, Peter C.
Goodchild, John
Craig, J. Charles
Mills, John S.
Slade, Andrew
Roberts, Noel A.
Jupp, Raymond

(ii) TITLE OF INVENTION: OLIGONUCLEOTIDES SPECIFIC FOR HEPATITIS
B VIRUS

(iii) NUMBER OF SEQUENCES: 56

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Lappin & Kusmer
(B) STREET: 200 State Street
(C) CITY: Boston
(D) STATE: MA
(E) COUNTRY: USA
(F) ZIP: 02109

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.25

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER: 08/901,612
(B) FILING DATE: 28-JUL-1997
(C) CLASSIFICATION: 514

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: 08/467,397
(B) FILING DATE:

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Kerner, Ann-Louise
(B) REGISTRATION NUMBER: 33,523
(C) REFERENCE/DOCKET NUMBER: HYZ-041

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/901,612DATE: 10/10/97
TIME: 18:22:33

INPUT SET: S20953.raw

47 (ix) TELECOMMUNICATION INFORMATION:
48 (A) TELEPHONE: 617-330-1300
49 (B) TELEFAX: 617-330-1311
50
51

52 (2) INFORMATION FOR SEQ ID NO:1:
53

54 (i) SEQUENCE CHARACTERISTICS:
55 (A) LENGTH: 20 base pairs
56 (B) TYPE: nucleic acid
57 (C) STRANDEDNESS: single
58 (D) TOPOLOGY: linear
59

60 (ii) MOLECULE TYPE: DNA

61
62 (iii) HYPOTHETICAL: NO
6364 (iv) ANTI-SENSE: YES
6566 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
6768 GGTGCGCAGA CCAATTTATG
69

20

70 (2) INFORMATION FOR SEQ ID NO:2:
71

72 (i) SEQUENCE CHARACTERISTICS:
73 (A) LENGTH: 19 base pairs
74 (B) TYPE: nucleic acid
75 (C) STRANDEDNESS: single
76 (D) TOPOLOGY: linear
77

78 (ii) MOLECULE TYPE: DNA
7980 (iii) HYPOTHETICAL: NO
8182 (iv) ANTI-SENSE: YES
8384 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
8586 CATGGTGCTG GTGCGCAGA
87

19

88 (2) INFORMATION FOR SEQ ID NO:3:
89

90 (i) SEQUENCE CHARACTERISTICS:
91 (A) LENGTH: 20 base pairs
92 (B) TYPE: nucleic acid
93 (C) STRANDEDNESS: single
94 (D) TOPOLOGY: linear
95

96 (ii) MOLECULE TYPE: DNA
9798 (iii) HYPOTHETICAL: NO
99

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/901,612DATE: 10/10/97
TIME: 18:22:37

INPUT SET: S20953.raw

100 (iv) ANTI-SENSE: YES
101
102 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
103

104 GAAAAAAGTTG CATGGTGCTG

20

106 (2) INFORMATION FOR SEQ ID NO:4:
107

108 (i) SEQUENCE CHARACTERISTICS:
109 (A) LENGTH: 20 base pairs
110 (B) TYPE: nucleic acid
111 (C) STRANDEDNESS: single
112 (D) TOPOLOGY: linear
113

114 (ii) MOLECULE TYPE: DNA
115

116 (iii) HYPOTHETICAL: NO
117

118 (iv) ANTI-SENSE: YES
119

120 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
121

122 GAGGTGAAAA AGTTGCATGG

20

124 (2) INFORMATION FOR SEQ ID NO:5:
125

126 (i) SEQUENCE CHARACTERISTICS:
127 (A) LENGTH: 20 base pairs
128 (B) TYPE: nucleic acid
129 (C) STRANDEDNESS: single
130 (D) TOPOLOGY: linear
131

132 (ii) MOLECULE TYPE: DNA
133

134 (iii) HYPOTHETICAL: NO
135

136 (iv) ANTI-SENSE: YES
137

138 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
139

140 AGGCAGAGGT GAAAAAGTTG

20

142 (2) INFORMATION FOR SEQ ID NO:6:
143

144 (i) SEQUENCE CHARACTERISTICS:
145 (A) LENGTH: 12 base pairs
146 (B) TYPE: nucleic acid
147 (C) STRANDEDNESS: single
148 (D) TOPOLOGY: linear
149

150 (ii) MOLECULE TYPE: DNA
151

152 (iii) HYPOTHETICAL: NO

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/901,612DATE: 10/10/97
TIME: 18:22:40

INPUT SET: S20953.raw

153
154 (iv) ANTI-SENSE: YES
155
156 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
157
158 AGGCAGAGGT GA 12
159
160 (2) INFORMATION FOR SEQ ID NO:7:
161
162 (i) SEQUENCE CHARACTERISTICS:
163 (A) LENGTH: 20 base pairs
164 (B) TYPE: nucleic acid
165 (C) STRANDEDNESS: single
166 (D) TOPOLOGY: linear
167
168 (ii) MOLECULE TYPE: DNA
169
170 (iii) HYPOTHETICAL: NO
171
172 (iv) ANTI-SENSE: YES
173
174 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
175
176 AGAGATGATT AGGCAGAGGT 20
177
178 (2) INFORMATION FOR SEQ ID NO:8:
179
180 (i) SEQUENCE CHARACTERISTICS:
181 (A) LENGTH: 30 base pairs
182 (B) TYPE: nucleic acid
183 (C) STRANDEDNESS: single
184 (D) TOPOLOGY: linear
185
186 (ii) MOLECULE TYPE: DNA
187
188 (iii) HYPOTHETICAL: NO
189
190 (iv) ANTI-SENSE: YES
191
192 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
193
194 GACATGAACA AGAGATGATT AGGCAGAGGT 30
195
196 (2) INFORMATION FOR SEQ ID NO:9:
197
198 (i) SEQUENCE CHARACTERISTICS:
199 (A) LENGTH: 20 base pairs
200 (B) TYPE: nucleic acid
201 (C) STRANDEDNESS: single
202 (D) TOPOLOGY: linear
203
204 (ii) MOLECULE TYPE: DNA
205

RAW SEQUENCE LISTING
PATENT APPLICATION US/08/901,612DATE: 10/10/97
TIME: 18:22:44

INPUT SET: S20953.raw

206 (iii) HYPOTHETICAL: NO
207
208 (iv) ANTI-SENSE: YES
209
210 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
211
212 GACATGTACA AGAGATGATT 20
213
214 (2) INFORMATION FOR SEQ ID NO:10:
215
216 (i) SEQUENCE CHARACTERISTICS:
217 (A) LENGTH: 20 base pairs
218 (B) TYPE: nucleic acid
219 (C) STRANDEDNESS: single
220 (D) TOPOLOGY: linear
221
222 (ii) MOLECULE TYPE: DNA
223
224 (iii) HYPOTHETICAL: NO
225
226 (iv) ANTI-SENSE: YES
227
228 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
229
230 GTAGGACATG AACAAAGAGAT 20
231
232 (2) INFORMATION FOR SEQ ID NO:11:
233
234 (i) SEQUENCE CHARACTERISTICS:
235 (A) LENGTH: 20 base pairs
236 (B) TYPE: nucleic acid
237 (C) STRANDEDNESS: single
238 (D) TOPOLOGY: linear
239
240 (ii) MOLECULE TYPE: DNA
241
242 (iii) HYPOTHETICAL: NO
243
244 (iv) ANTI-SENSE: YES
245
246 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
247
248 TTGGAGGCTT GAACAGTAGG 20
249
250 (2) INFORMATION FOR SEQ ID NO:12:
251
252 (i) SEQUENCE CHARACTERISTICS:
253 (A) LENGTH: 20 base pairs
254 (B) TYPE: nucleic acid
255 (C) STRANDEDNESS: single
256 (D) TOPOLOGY: linear
257
258 (ii) MOLECULE TYPE: DNA

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/08/901,612

DATE: 10/10/97
TIME: 18:22:47

INPUT SET: S20953.raw

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Original Text